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Jeffrey Shater, Scott Rixner

 June 2007 **ExpCS '07**: Proceedings of the 2007 workshop on Experimental science

Publisher: ACM

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The evaluation of new network server architectures is usually performed using either a simulator or a hardware prototype. Accurate simulation of software interface within the network subsystem is challenging due to the interactions ...

Keywords: FPGA prototyping, ethernet, network interface cards

2 [Analyzing the impact of supporting out-of-order communication on in-network performance with iWARP](#)

P. Balaji, W. Feng, S. Bhagvat, D. K. Panda, R. Thakur, W. Gropp

 November 2007 **SC '07**: Proceedings of the 2007 ACM/IEEE conference on Supercomputing

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Due to the growing need to tolerate network faults and congestion in high-speed computing systems, supporting multiple network communication paths is increasingly important. However, multi-path communication comes with the disadvantage of out-of-order ...

3 [The Emergence of iSCSI](#)

Jeffrey S. Goldner

 June 2003 **Queue**, Volume 1 Issue 4

Publisher: ACM

 Full text available: Html (34.12 KB) Additional Information: [full citation](#), [abstract](#), [index](#)
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When most IT pros think of SCSI, images of fat cables with many fragile joints come to mind. Certainly, that's one manifestation of the oldest one. But modern SCSI is different.

by the SCSI-3 Architecture Model, or SAM, really considers the cable an interconnections ...

Keywords: Cable, SAM, data, i/o, iSCSI, scsi

4 A case for virtual channel processors



Derek McAuley, Rolf Neugebauer

August 2003 **NI CELI '03**: Proceedings of the ACM SIGCOMM workshop on I convergence: experience, lessons, implications

Publisher: ACM

Full text available: Pdf (153.09 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

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Modern desktop and server computer systems use multiple processors: purpose CPU(s), graphic processor (GPU), network processors (NP) on I Interface Cards (NICs), RAID controllers, and signal processors on sound modems. Some of ...

Keywords: I/O virtualisation, Virtual Channel Processors, protocol offlo

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